AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) In a computing sync community, a ~~A framework~~ system for synchronizing one or more replicas in ~~a~~ the sync community, the system~~framework~~ comprising:

a computer processor executing a sync runtime module that provides services to one or more sync adapters, wherein the services provided by the sync runtime module to each of the one or more sync adapters include a change enumeration service that compares a first knowledge of the first replica with a second knowledge of the second replica to enumerate changes, wherein the knowledge of a replica comprises information describing a set of changes that the given replica is aware of; and

a sync controller that instantiates a particular sync adapter such that the particular sync adapter ~~can use~~utilizes the services to synchronize a first replica in the sync community with a second replica.

2.   (Currently Amended) ~~A~~The ~~framework~~ system as defined in claim 1, wherein the services provided by the sync runtime module are accessed by the one or more sync adapters using an applications programming interface.

3.   (Cancelled).

4.   (Currently Amended) The ~~A framework~~ system as defined in claim ~~3~~1, wherein the services further comprises a conflict detection service that uses the first knowledge of the first replica and the second knowledge of the second replica to detect conflicts.

5.   (Currently Amended) The~~A framework~~ system as defined in claim 4, wherein the conflict detection service detects a conflict when a change enumerated by the first replica is not

in the second knowledge of the second replica and a change enumerated by the second replica is not in the first knowledge of the first replica.

6.   (Currently Amended) The~~A framework~~ system as defined in claim 4, wherein the conflict detection service further comprises a conflict resolution module.

7.   (Currently Amended) The system~~A framework~~ as defined in claim 6, wherein the conflict resolution module can implement a conflict policy identified in a profile or included in a pluggable conflict resolution module.

8.   (Currently Amended) The system~~A framework~~ as defined in claim 1, further comprising a profile that includes one or more parameters, wherein the sync controller configures the particular sync adapter using the one or more parameters in the profile.

9.   (Currently Amended) The system~~A framework~~ as defined in claim 8, wherein the profile identifies one or more of:

a first source folder of the first replica;

a first destination folder of the first replica;

a second source folder of the second replica;

a second destination folder of the second replica;

a first filter to filter ~~the~~ changes that are enumerated at the first replica;

a second filter to filter ~~the~~ changes retrieved from the second replica;

a transformation for converting an item from the second replica to a format of the first replica; and

a conflict resolution policy.

10.   (Currently Amended) The system~~A framework~~ as defined in claim 1, wherein the services further comprises one or more of:

an item ID matching service, wherein <u>second</u> item IDs of the second replica are provided by the particular adapter during a receive sync and <u>first</u> item IDs of the first replica are provided by the sync runtime module during a send sync;

a sync interruptability service that includes exceptions in a remote knowledge; and

a service that prevents changes from reflecting to and from the first replica.

11. (Currently Amended) The system~~A framework~~ as defined in claim 1, wherein the services further comprises a sync metadata management service that stores a remote knowledge for the particular adapter.

12.   (Currently Amended) The system~~A framework~~ as defined in claim 11, wherein the sync metadata management service stores a local knowledge used by the particular adapter.

13.   (Currently Amended) A method for synchronizing a replica with one or more back end replicas, the method comprising:

initiating a particular adapter using one or more parameters included in a sync profile, wherein the particular adapter uses the one or more parameters to synchronize a first replica with a second replica;

receiving a request from the particular adapter to enumerate changes on the first replica by comparing a <u>first</u> knowledge of the first replica with a <u>second</u> knowledge of the second replica<u>, wherein the knowledge of a replica comprises information describing a set of changes that the given replica is aware of</u>; ~~and~~

<u>enumerating changes on the first replica by comparing the first knowledge of the first replica with the second knowledge of the second replica;</u>

detecting conflicts by determining whether a change enumerated by the first replica is included in the <u>second</u> knowledge of the second replica and whether the change at the second replica is included in the <u>first</u> knowledge of the first replica<u>; and</u>

<u>sending changes enumerated at the first replica to the second replica.</u>

14.   (Currently Amended) <u>The</u>~~A~~ method as defined in claim 13, wherein initiating <u>the</u>~~a~~ particular adapter using <u>the</u> one or more parameters included in <u>the</u>~~a~~ sync profile further comprises defining the sync profile.

15.   (Currently Amended) The~~A~~ method as defined in claim 14, wherein defining the sync profile further comprises one or more of:

specifying a sync direction;

identifying ~~a~~ the particular adapter;

identifying a first source folder and a first destination folder on the first replica;

identifying a second source folder and a second destination folder on the second replica; and

including a conflict policy.

16.   (Currently Amended) The~~A~~ method as defined in claim 13, wherein receiving ~~a~~ the request from the particular adapter to enumerate changes on the first replica by comparing ~~a~~ the knowledge of the first replica with ~~a~~ the knowledge of the second replica further comprises receiving the~~a~~ request for a service provided by a sync runtime.

17.   (Currently Amended) ~~A~~The method as defined in claim 16, wherein receiving ~~a~~ the request for ~~a~~ the service provided by ~~a~~ the sync runtime further comprises providing the requested service.

18.   (Currently Amended) The~~A~~ method as defined in claim 17, wherein providing the requested service further comprises managing sync metadata by performing one or more of:

storing a state of the synchronization for the particular adapter;

storing local knowledge for the second replica; and

storing a remote knowledge of the second replica.

19.   (Currently Amended) The~~A~~ method as defined in claim 17, wherein providing the requested service further comprises mapping ~~ana~~ first item ID of the first replica with ~~an~~ a second item ID of the second replica, wherein the particular adapter provides the second item ID of the second replica in a receive sync and wherein the sync runtime provides the second item ID of the second replica during a send sync.

20.   (Currently Amended) The~~A~~ method as defined in claim 17, wherein providing the requested service further comprises including exceptions in a remote knowledge such that items corresponding to the exceptions are not synchronized in future synchronizations.

21.   (Currently Amended) The~~A~~ method as defined in claim 13, further comprising preventing a change from being reflected between the first replica and the second replica using the first knowledge of the first replica and the second knowledge of the second replica.

22.   (Currently Amended) The~~A~~ method as defined in claim 13, further comprising:

~~sending changes enumerated at the first replica to the second replica;~~

receiving changes enumerated by the second replica;

applying changes enumerated by the second replica at the first replica; and

updating the knowledge of the first replica.

23.   (Currently Amended) A computer program product for implementing a method for synchronizing a replica with one or more back end replicas, the computer program product comprising:

a computer-readable ~~storage media storing~~medium having computer executable instructions for performing the method, ~~the method comprising~~ of claim 13.~~:~~

~~initiating a particular adapter using one or more parameters included in a sync profile, wherein the particular adapter uses the one or more parameters to synchronize a first replica with a second replica;~~

~~receiving a request from the particular adapter to enumerate changes on the first replica by comparing a knowledge of the first replica with a knowledge of the second replica; and~~

~~detecting conflicts by determining whether a change enumerated by the first replica is included in the knowledge of the second replica and whether the change at the second replica is included in the knowledge of the first replica.~~

24.   (Currently Amended) ~~A~~The computer program product as defined in claim 23, wherein initiating ~~a~~the particular adapter using the one or more parameters included in ~~a~~the sync profile further comprises defining the sync profile.

25.   (Currently Amended) The~~A~~ computer program product as defined in claim 24, wherein defining the sync profile further comprises one or more of:

specifying a sync direction;

identifying ~~a~~the particular adapter;

identifying a first source folder and a first destination folder on the first replica;

identifying a second source folder and a second destination folder on the second replica; and

including a conflict policy.

26. (Currently Amended) The~~A~~ computer program product as defined in claim 23, wherein receiving ~~a~~the request from the particular adapter to enumerate changes on the first replica by comparing a first knowledge of the first replica with a second knowledge of the second replica further comprises receiving ~~a~~the request for a service provided by a sync runtime.

27. (Currently Amended) The~~A~~ computer program product as defined in claim 26, wherein receiving ~~a~~the request for ~~a~~the service provided by ~~a~~the sync runtime further comprises providing the requested service.

28. (Currently Amended) The~~A~~ computer program product as defined in claim 27, wherein providing the requested service further comprises managing sync metadata by performing one or more of:

> storing a state of the synchronization for the particular adapter;

> storing local knowledge for the second replica; and

> storing a remote knowledge of the second replica.

29. (Currently Amended) The~~A~~ computer program product as defined in claim 27, wherein providing the requested service further comprises mapping ~~an~~first item ID of the first replica with ~~an~~second item ID of the second replica, wherein the particular adapter provides the second item ID of the second replica in a receive sync and wherein the sync runtime provides the second item ID of the second replica during a send sync.

30. (Currently Amended) The~~A~~ computer program product as defined in claim 27, wherein providing the requested service further comprises including exceptions in a remote knowledge such that items corresponding to the exceptions are not synchronized in future synchronizations.

31.   (Currently Amended) The~~A~~ computer program product as defined in claim 23, further comprising preventing a change from being reflected between the first replica and the second replica using the <u>first</u> knowledge of the first replica and the <u>second</u> knowledge of the second replica.

32.   (Currently Amended) The~~A~~ computer program product as defined in claim 23, further comprising:

~~sending changes enumerated at the first replica to the second replica;~~

receiving changes enumerated by the second replica;

applying changes enumerated by the second replica at the first replica; and

updating the knowledge of the first replica.